

HDR-XR200V

120GB¹ HDD High Definition Camcorder

The HDR-XR200V records stunning, 1920 x 1080 high definition video and crystal clear still photos to a built-in 120GB¹ hard disk drive. In addition, the HDR-XR200V features a GPS receiver⁷ that can display your current location and remember where you shot your video, as well as Optical SteadyShot[®] image stabilization with Active Mode for superior image smoothness.

AVCHD

HDD
HARD DISK DRIVE

Exmor
CMOS Sensor

1920x1080
recording

Full HD
1080

GPS

Smile Shutter

Face Detection
for video & photo

ZEISS

PMB

BRAVIA Sync

x.v.Color

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

HI-SPEED USB
USB 2.0

- 1920x1080 high definition video recording:
1920 x 1080 high definition resolution lets you record your memories in exceptional Sony[®] Full High Definition quality².
- 4 megapixel still image capture:
4 megapixel still image capture lets you take high resolution digital photos.
- 120GB hard disk drive:
A built-in 120GB¹ hard disk drive can record and store approximately 48 hours of high definition video footage (HD LP mode), or up to 84 hours of standard definition footage (SD LP mode). In addition, "HDD Smart Protection" gives you peace of mind by helping to prevent any recorded video and images from being lost if the camcorder is accidentally dropped.
- Geotagging with built-in GPS receiver:
A built-in GPS receiver⁷ makes the HDR-XR200V an ideal choice for travelers. In addition to automatically adjusting your camcorder's clock to the proper time zone, the GPS receiver also gives you the ability to view your current location on the LCD map display, as well as "tag" your shooting locations. Tagged videos and still images can be reviewed and played back using the Map Index function on the camcorder or once downloaded to your PC using the supplied PMB (Picture Motion Browser) software⁹.
- Map Index function:
Map Index uses the geotagging capabilities of the built-in GPS receiver⁷ to "tag" your shot locations on a map in the camcorder, offering a new way to easily search and find a desired scene by location or view where a scene was captured.

- Face Detection technology for Video Footage and Digital Still Photos:
Made possible by the BIONZ[™] image processing engine, Face Detection technology recognizes up to 8 faces anywhere in the frame and by selecting the most prominent, automatically controls focus, exposure, and color to help capture smiling faces brightly and clearly. Face Detection technology also helps make skin tones look natural without affecting other colors in the image. On AVCHD models, the camcorder allocates encoding bits on detected face areas prior to encoding other parts of the picture, making them sharper and clearer. In still picture mode, Face Detection technology sets the flash level to optimize picture clarity.
- Smile Shutter[™] technology for still and dual capture:
Smile Shutter[™] technology lets the camcorder automatically take still photos when your subject smiles, even while shooting high definition video. You can also set the sensitivity and choose child, adult, or auto priority.
- Optical SteadyShot[™] image stabilization with Active Mode:
Optical SteadyShot[™] image stabilization with Active Mode represents the next step forward in Sony[®] image stabilization technology. Active Mode improves on existing Optical SteadyShot image stabilization by allowing the camera lens to shift over a greater range of motion. This allows the HDR-XR200V to compensate for greater degrees of camera shake and deliver a stunning level of image smoothness.
- Highlight Playback:
Why spend hours editing your movies when you can let your camcorder do it for you? Highlight Playback uses several criteria - including Face Index, Smile Shutter[™] technology, Dual Capture and time range - to identify and compile key scenes into a short, entertaining movie complete with music and transitions.

ADDITIONAL FEATURES

- 2.7" wide touch panel³ Clear Photo LCD Plus[™] display:
- Power On by opening LCD display:
- Professional-quality Carl Zeiss[®] Vario-Sonnar[®] T* Lens:
- 15X Optical / 180X Digital Zoom:
- 1/5" Exmor[™] CMOS sensor with ClearVid[™] array
- Dolby[®] Digital 5.1ch recording with Built-in Zoom Mic:
- Active Interface Shoe:
- Dual Record with 3MP still image capture:
- Includes Sony[®] PMB (Picture Motion Browser) software:
- Smooth Slow Record:
- Built-in Intelligent Flash:
- x.v. Color[™] technology for superior color:
- HDMI[™] connection output:
- USB 2.0 interface:
- BIONZ[™] Image Processor:
- Film Roll Index:
- Face Index function:
- Hybrid Recording to HDD or Memory Stick Duo[™] media:
- One Touch Disc Burn:
- Record and zoom controls on LCD frame:
- BRAVIA[®] Sync[™] technology:
- Auto Lens Cover:
- Dynamic Range Optimizer:



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Specifications

General

Imaging Device: 1/5" Exmor™ CMOS sensor with ClearVid™ array
Pixel Gross: 2360K
Recording Media: 120GB Non-Removeable Hard Disk Drive
Memory Stick PRO Duo™ Media (Sold Separately)
Recording and Playback Times: 120GB HDD:
High Definition: FH = up to 870 min., HQ = up to 1770 min. SP = up to 2150 min., LP = up to 2870 min.
Standard Definition: HQ = up to 1770 min., SP = up to 2620 min., LP = up to 5020 min.
Video Actual: 1490K Pixels (16:9)
1120K Pixels (4:3)
Still Actual: 1490K Pixels (16:9)
1990K Pixels (4:3)
Processor: BIONZ™ image processor
Video Resolution: 1920 x 1080
Still Picture Resolution: 4 megapixel

Audio

Recording Format: Dolby® Digital 5.1
Microphone: Built-in Zoom Microphone

Convenience

Accessory Shoe: Yes (Active Interface Shoe)
White Balance: Auto, Outdoor, Indoor, One Push (via Touch panel)
Memory Stick PRO™ Media Compatibility: Memory Stick PRO Duo™ Media (Sold Separately)
Still Image Mode(s): JPEG
Face Detection: Yes - video and still
Hybrid: Yes
Quick On: Power On by LCD
Dual Record: 2.3 megapixel
Memory Stick PRO Duo™ Media Compatibility: Tested to support up to 16GB media capacity; does not support high speed transfer function; does not support Access Control security function.
Dynamic Range Optimizer: Yes
Scene Mode(s): Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
Image Stabilization: Optical SteadyShot® image stabilization w/ Active mode
Smile Shutter™ technology: Yes

Convenience Features

Easy Operation: Yes
Multiple Language Display: Yes
Slide Show Mode: Yes
Low Light Capability: NightShot
Fader Effect(s): Black, White
Face Index: Yes
Film Roll Index: Yes
Photo Capture from Movie: Yes
x.v.Color™ : Yes
BRAVIA® Sync™ : Yes

Video

Format: HD: MPEG4 AVC/H.264; SD: MPEG2
Video Signal: HD: 1920 x 1080/60i; SD: NTSC color, EIA standards

Video Features

PhotoTV HD: Yes

Inputs and Outputs

Analog Audio/Video Output(s): Included (via A/V Remote Terminal)
Digital Audio/Video Output(s): HDMI
USB Port(s): Hi-speed (2.0 compliant)
Component Video (Y/Pb/Pr) Output(s): Supplied (via A/V Remote jack)
S-Video Output(s): Sold separately (via A/V Remote jack)
HDMI™ Connection Output(s): Yes (mini)
Audio/Video Remote Terminal: Video / S Video / Audio / Component Out / Remote
Active Interface Shoe: Yes

Display

LCD Screen: 2.7" wide touch panel³ Clear Photo LCD Plus™ display (211k pixels)

Hardware

Memory Stick slot: Memory Stick PRO Duo™ Media¹
Manual / Auto Lens Cover: Auto
S/S & Zoom button on LCD: Yes
Light/Flash: Yes

Optics/Lens

35mm Equivalent: 40 - 600mm (16:9), 49 - 735mm (4:3)
Aperture: F1.8-2.6
Exposure: Yes (Touch Panel)
Filter Diameter: 30mm
Focal Distance: 3.1 - 46.5mm
Focus: Full range Auto / Manual (Touch Panel)
Progressive Shutter Mode: Yes (Still Image)
Shutter Speed: Auto (Slow Shutter ON), 1/30 - 1/250;
Auto (Slow Shutter OFF) 1/60 - 1/250;
Scene Selection, 1/2 - 1/500
Optical Zoom: 15x
Digital Zoom: 180x
Resolution: 4 megapixel still
Lens Type: Carl Zeiss® Vario-Tessar®
Minimum Illumination: 5 lux
(Auto Slow Shutter ON, 1/30 Shutter Speed)

Power

Battery Type: InfolITHIUM® with AccuPower™ Meter System (NP-FH60)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (in Operation): 4.1W

Service and Warranty Information

Limited Warranty Term: Limited Warranty --- 1 Year Parts; 90 Days Labor

Software

Supplied Software: PMB Ver.4.2.00 Supports Windows 2000 Professional Service Pack4 (SP4), Windows XP Service Pack3 (SP3) (32bit) Windows Vista Service Pack1 (SP1) (32bit/64bit). Not supported by Mac OS.

Dimensions

Weight: w/o battery: 13oz (390g), w battery: 16.6oz (470g)
Measurements: 2 3/4 x 2 3/4 x 5 1/8 inch (70 x 68 x 133mm)

Supplied Accessories

AC adaptor (AC-L200)
Rechargeable Battery Pack (NP-FH60)
Remote Commander (RMT-835)
Component A/V Cable
A/V Connecting Cable
Lithium Battery (CR2025)
Application Software / USB Driver / (CD-ROM)
USB Cable

Optional Accessories

Rechargeable InfolITHIUM Batteries (NP-FH50/FH70/FH100)
Case (LCS-BBDB/R/L)
Starter Kit (ACC-ASH6, ACC-HDH6)
AC Adaptor/Charger for H series batteries (AC-VQH10)
Travel Charger (BC-TRP)
Wireless Microphone (ECM-HW2)
Wide Angle Conversion Lens (VCL-HGE07A)
HDMI Cable (mini) (VMC-30MHD)
Tripod (VCT-80AV)
Video Light (HVL-10NH)
Underwater Sports Pack (SPK-HCE)

UPC Code: 027242763173

1. 120GB equals 120 billion bytes, a portion of which is used for system management and/or application files. Available capacity is approximately 118GB after deleting the 500MB demonstration video.
2. This camcorder captures high definition footage in the AVCHD format. DVD media containing AVCHD footage should not be used with DVD based players or recorders, as the DVD player/recorder may fail to eject the media and may erase its contents without warning. DVD media containing AVCHD footage must only be played back on a compatible Blu-ray Disc devices, PC with supplied software or PLAYSTATION®3 devices.
3. Viewable area measured diagonally.
5. Requires BRAVIA Sync feature in each product, including a compatible BRAVIA® HDTV. Please refer to owner's manual to determine compatibility.
7. By using Picture Motion Browser software, supplied with certain Sony cameras and camcorders*, a PC and a broadband Internet connection, your photos can be shown on an online map service. The online map service is currently provided courtesy of Google, and is subject to change or termination without notice.
9. Requires sMicrosoft Windows XP SP3/ Windows Vista SP1. Not supported by Mac OS.
10. Smooth Slow Record captures 3 seconds of video which play back over 12 seconds.
12. One Touch Disc Burn feature requires DVD/Blu-ray burner or compatible PC with supplied PBM software (sold separately).

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